

Refine Search

Search Results -

Terms	Documents
L2 ANd state and (compatible or compatibility)	18

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L3

Search History

DATE: Sunday, October 02, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

DB=USPT; PLUR=NO; OP=OR

Hit Count Set Name

result set

<u>L3</u>	L2 ANd state and (compatible or compatibility)	18	<u>L3</u>
<u>L2</u>	L1 AND help	108	<u>L2</u>
<u>L1</u>	717/117.ccls. OR 715/705.ccls.	193	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 18 of 18 returned.

☐ 1. Document ID: US 6829779 B1

L3: Entry 1 of 18

File: USPT

Dec 7, 2004

US-PAT-NO: 6829779

DOCUMENT-IDENTIFIER: US 6829779 B1

TITLE: User interface for entertainment system setup

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Perlman; Stephen G.	Mountain View	CA		

US-CL-CURRENT: 725/37; 715/705, 725/139

ABSTRACT:

Systems and methods for providing interactive instructions directing a user how to establish interactivity between multiple consumer electronics devices. A first consumer electronics device is connected to the television set. The user is requested to identify another consumer electronics device to be connected to the first consumer electronics device or to the television set. The first consumer electronics device identifies the cables needed to establish the connection and then determines whether the user has the cables. If the user does not have the cables, they may be purchased online by the first consumer electronics device. Connection instructions describing how to establish the connection are displayed on the television set. After the user attempts to establish the connection, the first consumer electronics device optionally tests the connection to determine whether it is reliable and fully operable. If not, further instructions are displayed. In addition, establishing the connection may include coupling a cable to one of several identical, interchangeable connectors at the first consumer electronics device. Furthermore, establishing connectivity can involve configuring a remote control system to control multiple consumer electronics devices.

6 Claims, 24 Drawing figures

Exemplary Claim Number: 4

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Image	Draw In
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☐ 2. Document ID: US 6799205 B2

US-PAT-NO: 6799205

DOCUMENT-IDENTIFIER: US 6799205 B2

TITLE: Distributed help system for consumer electronic devices

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ludtke; Harold Aaron	San Jose	CA		

US-CL-CURRENT: 709/220; 709/217, 709/222, 715/705

ABSTRACT:

Methods and systems consistent with the present invention provide help and configuration information for a plurality of consumer electronic devices in an audio/video network. More specifically, each network device provides help information, identifying the device and its features to other network devices. A help utility program interfaces with a presentation device to provide help information to a user. Another implementation consistent with the present invention provides help information related to configuring two or more devices to perform an operation.

10 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Revised	Classification	Date	Reference	Claims	Index	Drawings
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☐ 3. Document ID: US 6760748 B1

US-PAT-NO: 6760748

DOCUMENT-IDENTIFIER: US 6760748 B1

TITLE: Instructional system grouping student terminals

DATE-ISSUED: July 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hakim; Omar Besim	Dallas	TX		

US-CL-CURRENT: 709/204; 434/350, 434/351, 715/705, 715/707, 715/708, 717/178

ABSTRACT:

An interactive electronic instructional system is a teaching interface between a

teacher and students where data is transmitted from the teacher's terminal to the student terminals. The data is received at the student terminals and is separated into execution data and instructional data. The student terminals are grouped into teams allowing student teams to interact with a group decision. This encourages team participation by shy or otherwise reluctant students. Team answer data is transmitted from one of the student terminals in the team to the teacher's terminal. The teacher monitors team answer data to infer class progress towards a goal. The teacher may modify the instructional data based on the progress.

19 Claims, 20 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 4. Document ID: US 6658646 B1

L3: Entry 4 of 18

File: USPT

Dec 2, 2003

US-PAT-NO: 6658646
DOCUMENT-IDENTIFIER: US 6658646 B1

TITLE: Multiple interface scripting language

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hernandez, III; Gaspar	Andover	NJ		

US-CL-CURRENT: 717/115; 717/114, 717/116, 717/117, 717/141, 717/142, 717/143

ABSTRACT:

For a large system having an associated monitoring system with one or more user interfaces that each requires a large amount of direct user interaction, a scripting language especially well suited to write a script (that generates liaison interface between the user and the existing user interfaces) is provided. The liaison interface requires much less direct user interaction by taking the place of the user in the extensive direct interaction required by the existing user interfaces. Such a scripting language that includes an integration construct data structure that permits commands of discrete interfaces to be integrated in a single script that is to be executed by a machine. Also provided are scripts according to the scripting language, that include at least two of the integration construct data structures.

26 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 5. Document ID: US 6584496 B1

L3: Entry 5 of 18

File: USPT

Jun 24, 2003

US-PAT-NO: 6584496

DOCUMENT-IDENTIFIER: US 6584496 B1

TITLE: Distributed help system for consumer electronic devices

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ludtke; Harold Aaron	San Jose	CA		

US-CL-CURRENT: 709/217; 707/10, 715/705, 715/714

ABSTRACT:

Methods and systems consistent with the present invention provide help and configuration information for a plurality of consumer electronic devices in an audio/video network. More specifically, each network device provides help information, identifying the device and its features to other network devices. A help utility program interfaces with a presentation device to provide help information to a user.

Another implementation consistent with the present invention provides help information related to configuring two or more devices to perform an operation.

7 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Text	Claims	Index	Page
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US-CL-CURRENT: 717/137; 717/106, 717/107, 717/108, 717/116, 717/117, 717/118,
717/162, 717/163, 717/164, 717/165

ABSTRACT:

The dynamic mapping from an ActiveX component model to a JavaBean model is disclosed. In one embodiment, an ActiveX compatible object is created at run-time for those JavaBean components that an ActiveX client application wishes to utilize. In another embodiment, upon a call to CoGetClassObject or related methods using class identifiers, a COM-callable wrapper is generated and a mapping table containing COM dispatch identifiers is scanned to ensure the dispatch identifiers are unique. If they are not, the dispatch identifiers associated with JavaBean component interfaces are adjusted to make them unique.

12 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full	Title	Creation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 7. Document ID: US 6380949 B2

L3: Entry 7 of 18

File: USPT

Apr 30, 2002

US-PAT-NO: 6380949

DOCUMENT-IDENTIFIER: US 6380949 B2

TITLE: Man-machine interface for a virtual annunciator panel display

DATE-ISSUED: April 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thomas; Robert P.	Ellington	CT		
Petrizzi; James V.	Tariffville	CT		

US-CL-CURRENT: 715/705; 700/286, 700/292, 700/293, 700/83, 715/708, 715/762,
715/771, 715/835, 715/965, 715/970

ABSTRACT:

A power management control system provides control and graphical representation of a plurality of electrical devices and components of an electrical distribution system. The control system includes a virtual three-dimensional annunciator panel for displaying an indication of the status or condition of a plurality a plurality of electrical devices of an electrical distribution system. The virtual annunciator panel includes an array (6.times.8) of indicator buttons that represent a particular device, event or group of events of the PMCS. The buttons are displayed in different colors to indicate different alarm systems. The annunciator panel functions to notify the user/operator of an alarm condition of a device, as well as permits the user to acknowledge alarms. The development of the virtual annunciator panel display is automated using software, namely an Annunciator Panel Wizard. The Panel Wizard provides the automated configuration of the annunciator panel graphic as well as a built-in event mapping to the annunciator buttons which is user

configurable. The Panel Wizard allows the user to generate the virtual annunciator panel display without any programming skills or detailed device knowledge.

40 Claims, 21 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 8. Document ID: US 6182277 B1

L3: Entry 8 of 18

File: USPT

Jan 30, 2001

US-PAT-NO: 6182277
DOCUMENT-IDENTIFIER: US 6182277 B1

TITLE: Methods and apparatus for declarative programming techniques in an object oriented environment

DATE-ISSUED: January 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeGroot; Michael	Cupertino	CA		
Lemke; Ralph	Sunnyvale	CA		

US-CL-CURRENT: 717/115; 717/116, 717/117

ABSTRACT:

An object oriented software environment permits, through declarative programming techniques, customization of functionality of an object. The object oriented software environment includes a plurality of objects, wherein each object contains at least one method. A user of the object oriented software environment submits one or more declarative statements to augment the functionality of a method on an object. In response, the object oriented software environment associates the declarative statements to the method identified on the object such that when the method on the object is called, the declarative statements, associated with the object, are executed in addition to the methods on the object. The declarative programming technique permits augmenting the functionality of a method on an object with "rules." In addition, two or more methods may be associated together to generate an event that propagates from one method to another method. The programming techniques disclosed also permit integration of declarative, compiled and scripting approaches to integrate three styles of applications program development.

17 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 9. Document ID: US 6064381 A

L3: Entry 9 of 18

File: USPT

May 16, 2000

US-PAT-NO: 6064381

DOCUMENT-IDENTIFIER: US 6064381 A

TITLE: Apparatus and methods for analyzing software systems

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harel; Avraham	Haifa			IL

US-CL-CURRENT: 715/705; 434/118, 715/866

ABSTRACT:

Computerized apparatus for identifying human difficulties in operating a computerized system, the apparatus including a human difficulty identifier operative to identify putative instances of an end user's experience of difficulty in operating the computerized system, an operation recorder operative to store a record of the end user's operations during each such putative instance, an intention recorder operative to prompt an end user to indicate his intention during each such putative instance and to store the intention in association with the record of operations for the putative instance and an output generator operative to generate an output indication of the record of operations and of the end user's intention for each of the putative instances of experiences of difficulty.

12 Claims, 137 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 77

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 10. Document ID: US 6014666 A

L3: Entry 10 of 18

File: USPT

Jan 11, 2000

US-PAT-NO: 6014666

DOCUMENT-IDENTIFIER: US 6014666 A

**** See image for Certificate of Correction ****

TITLE: Declarative and programmatic access control of component-based server applications using roles

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Helland; Patrick James	Redmond	WA		

Limprecht; Rodney	Woodinville	WA
Al-Ghosein; Mohsen	Issaquah	WA
Reed; David R.	Seattle	WA
Devlin; William D.	Redmond	WA

US-CL-CURRENT: 707/9; 707/10, 717/104, 717/117

ABSTRACT:

A programming model for component-based server applications provides declarative and programmatic access control at development without knowledge of the security configuration at deployment. The developer defines the server application access control by defining logical classes of users, called roles. The developer also can declare access privileges of the roles at package, component and interface levels of the server application. At development, the roles are bound to the particular security configuration of the server computer. The programming model also provides application programming and integration interfaces with which the developer can programmatically define access control of the roles to the server application's processing services.

12 Claims, 19 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 11. Document ID: US 6014134 A

L3: Entry 11 of 18

File: USPT

Jan 11, 2000

US-PAT-NO: 6014134
DOCUMENT-IDENTIFIER: US 6014134 A

TITLE: Network-based intelligent tutoring system

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bell; Brigham R.	Boulder	CO		
Hurley; William D.	Louisville	CO		
Kovacevic; Srdjan N.	Louisville	CO		
Neves; Michelle	Pleasantville	NY		
Wolff; Alan S.	Boulder	CO		
Bloom; Charles P.	Weston	CT		

US-CL-CURRENT: 715/705; 434/118, 709/203, 709/218, 715/733

ABSTRACT:

A technique for providing a networked, distributed tutorial application having a

direct manipulation graphical user interface displayable on an Internet client node is disclosed. The application has a first portion on an Internet server node and a second portion on the Internet client node, the first portion performing application specific subject matter processing and the second portion being substantially application independent in that this second portion is applicable in a wide variety of tutoring applications for generating and maintaining an appropriate user interface during user interactions. The second portion includes an Internet browser (e.g., a hypertext mark-up language browser) that is utilized for communicating with the server node to perform application subject matter specific processing. A user being tutored may create, delete or modify graphical objects whose data structure definitions are provided by the server node, each such object having, for example, a behavior or data structure representing the semantics of a tutorial subject matter entity. Such user interactions are accumulated and utilized on the client node to maintain, independently of any communication with the server node, an interactive user interface semantically consistent with both the tutorial application and the user's interactions.

25 Claims, 18 Drawing figures
 Exemplary Claim Number: 1
 Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Exemplary	Drawings
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☐ 12. Document ID: US 5963939 A

L3: Entry 12 of 18

File: USPT

Oct 5, 1999

US-PAT-NO: 5963939

DOCUMENT-IDENTIFIER: US 5963939 A

TITLE: Method and apparatus for an incremental editor technology

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McCann; Paul H.	Tomball	TX		
Alose; Gary L.	Houston	TX		
Chavez; Javier E.	The Woodlands	TX		
Dawson; Scott M.	Tomball	TX		
Brayton; Robert S.	Tomball	TX		
Hiles; Paul E.	Tomball	TX		

US-CL-CURRENT: 707/4; 705/26, 705/27, 707/1, 715/700, 715/705, 715/707

ABSTRACT:

An object-driven application tool allows a Value Added Reseller (VAR) to access a large body of publicly available information about computing devices and to identify the needs of a particular customer or end user and to select an appropriate solution of equipment, hardware, and networking products to meet the customer's needs. Moreover, the tool includes capabilities allowing a VAR to demonstrate to the end user the appropriateness of the solution, for allowing

information entry in high level, abstract business-oriented vocabulary rather than a highly technical low level jargon (thus facilitating data entry of information obtained from the end user) and allowing the tool to recognize whether, for example, a slight increase in memory capacity beyond the express needs of the end user may allow a dramatic reduction in requirements for processor speed or non-volatile data storage. The latter tools allow the exemplary embodiment of the present invention to suggest superior solutions over and beyond the express needs of the end user. Selection of a particular solution is generally decoupled from the needs of the end user, which are stored in a separate database; thereafter, as new equipment to obtain on-line information relating to new products and services. Information in the database also includes retrofit information, so that new products can be installed into existing networks.

14 Claims, 100 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 81

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 13. Document ID: US 5727950 A

L3: Entry 13 of 18

File: USPT

Mar 17, 1998

US-PAT-NO: 5727950

DOCUMENT-IDENTIFIER: US 5727950 A

TITLE: Agent based instruction system and method

DATE-ISSUED: March 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cook, deceased; Donald A.	late of Jamaica Plain	MA		
Lukas; George	Brighton	MA		
Lukas; Andrew V.	Boulder	CO		
Padwa; David J.	Santa Fe	NM		

US-CL-CURRENT: 434/350; 715/705, 715/733, 715/854, 715/978

ABSTRACT:

This invention relates to a system and method for interactive, adaptive, and individualized computer-assisted instruction. This invention includes an agent for each student which adapts to its student and provides individualized guidance to the student and controls to the augmented computer-assisted instructional materials. The instructional materials of this invention are augmented to communicate the student's performance and the material's pedagogical characteristics to the agent and to receive control from the agent. Preferably, the content of the communication between the agent and the materials conforms to specified interface standards so that the agent acts independently of the content of the particular materials. Also preferably, the agent can project using various I/O modalities integrated, engaging, life-like display persona(e) appropriate to the preferences of its student and appear as a virtual tutor to the student. Finally, preferably this invention is implemented on computers interconnected by a

network so that instruction can be delivered to geographically distributed students from geographically distributed servers. An important application of this invention is delivering interactive, adaptive, and individualized homework to students in their homes and other locations.

151 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 14. Document ID: US 5596752 A

L3: Entry 14 of 18

File: USPT

Jan 21, 1997

US-PAT-NO: 5596752

DOCUMENT-IDENTIFIER: US 5596752 A

**** See image for Certificate of Correction ****

TITLE: System for creating, editing, displaying, and executing rules-based programming language rules having action part subsets for both true and false evaluation of the conditional part

DATE-ISSUED: January 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knudsen; Helge	Oakville			CA
Chong; Daniel T.	Woodbridge			CA
Yaffe; John	Mississauga			CA
Taughner; James E.	Mississauga			CA
Robertson; Michael	Mississauga			CA
Plazak; Zbigniew	Etobicoke			CA

US-CL-CURRENT: 717/117; 717/109

ABSTRACT:

A programmable computer which operates by executing rules, each including a rule name, and optionally: input parameters, a set of conditions, a set of actions associated with each condition, and a set of exception handlers. A condition is a logical expression which evaluates to a true or false boolean value, while an action is an executable statement. An exception handler contains executable statements.

The computer includes text entry and display means for programming of rules. A rule is displayed with each condition and each action having a row of text. The computer generates a yes/no quadrant into which a programmer may enter sequence numbers, to associate ordered sets of actions with individual conditions. Sequence numbers may be entered not associated with any condition, to define a set of default actions.

Upon entering a rule, the computer sequentially evaluates the rule's conditions. Upon a condition evaluating to true, the computer executes the set of actions

associated with that condition, then exits the rule. If the rule contains no conditions or none evaluates to true, the set of default actions will be executed, and the rule exited.

If, during execution of the rule, the computer detects an exception event, such as a missing datum or other execution error, the computer passes to the rule the name of the detected exception event. If the rule contains an exception handler bearing the same name, the computer will execute the statements within that exception handler.

11 Claims, 40 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 15. Document ID: US 5550967 A

L3: Entry 15 of 18

File: USPT

Aug 27, 1996

US-PAT-NO: 5550967
DOCUMENT-IDENTIFIER: US 5550967 A

TITLE: Method and apparatus for generating and displaying visual cues on a graphic user interface

DATE-ISSUED: August 27, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brewer; Gregory S.	Pleasanton	CA		
Commons; Peter	Mountain View	CA		

US-CL-CURRENT: 715/709; 345/441, 715/705, 715/977

ABSTRACT:

A user interface includes an object oriented graphic user interface having overlapping windows and provides an access window having topics, index and look for button functions for selection by a user. Through the use of the topics, index or look for functions, a help inquiry is defined. To assist the user, visual cues in the form of coach marks are generated for identifying features on the display. The coach marks are rendered such that they appear animated as if drawn by hand and appear to approximate a geometric object, such as an arrow, a circle, an X, and the like. The coach marks encircle, point to, and/or underline objects, features, icons, folders and other display elements to assist the user in operating the computer system.

48 Claims, 61 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 16. Document ID: US 5436637 A

L3: Entry 16 of 18

File: USPT

Jul 25, 1995

US-PAT-NO: 5436637

DOCUMENT-IDENTIFIER: US 5436637 A

TITLE: Graphical user interface system and methods for improved user feedback

DATE-ISSUED: July 25, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gayraud; Charles E.	Santa Cruz	CA		
Gee; Perry A.	Santa Cruz	CA		

US-CL-CURRENT: 715/705

ABSTRACT:

Graphical user interface system and methods for providing "hints" for screen objects of interest, particularly user interface elements which rely upon multitudes of iconic (bitmap image) indicia. The interface includes a static (status) frame or window positioned in a non-intrusive fashion below or to one side of a client area (active portion) of a user interface. The frame is continually updated with appropriate descriptors or "hints" (e.g., text and/or graphics) as a screen cursor moves from one screen object to another.

40 Claims, 22 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 17. Document ID: US 5423023 A

L3: Entry 17 of 18

File: USPT

Jun 6, 1995

US-PAT-NO: 5423023

DOCUMENT-IDENTIFIER: US 5423023 A

TITLE: Method and apparatus for providing a user configurable system which integrates and manages a plurality of different task and software tools

DATE-ISSUED: June 6, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Batch; James C.	Newberg	OR		

Burns-Brookens; Eileen M.	Tigard	OR
Ivanov; Pavel	Aloha	OR
Michel; Timothy I.	Portland	OR
Russell; Robert A.	Banks	OR

US-CL-CURRENT: 717/117; 717/139

ABSTRACT:

A user configurable system which integrates and manages a plurality of different tasks and software tools. It is adapted primarily for use in design and production automation systems. The system has a main control routine which utilizes macros to control each process to be performed, including the sequencing of tasks and the encapsulation of any incompatible software tools which interface with the control program. The encapsulation controls the interpretations for transfers between the incompatible tool and the control program. Additional routines are provided for providing interfacing between various tools, including tools having various types of incompatibilities, and between an operator and the system or the various tools used therein. All such routines are rules based and such rules, including the macros used with the control routine, are written in an interpretive extension language which is both human and machine readable. This renders the system easily configurable and reconfigurable by the user.

68 Claims, 30 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 27

Full	Title	Citation	Front	Review	Classification	Data	Reference	Abstract	Claims	Draw	Draw
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☐ 18. Document ID: US 5361361 A

L3: Entry 18 of 18

File: USPT

Nov 1, 1994

US-PAT-NO: 5361361

DOCUMENT-IDENTIFIER: US 5361361 A

TITLE: Hierarchical integrated help utility for a computer system

DATE-ISSUED: November 1, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hickman; D. Anne	Aloha	OR		
Kaufman; Peter	Banks	OR		
Trent; Adam	Aloha	OR		
Bouchette; Deborah A.	Hillsboro	OR		

US-CL-CURRENT: 715/705; 707/1, 715/781, 715/853, 717/169, 719/310

ABSTRACT:

An improved method and apparatus for hierarchically integrating help information

across multiple applications is disclosed. In a computer system having a first application program including a first set of help files and a second application program including a second set of help files, the integrated help utility of the present invention includes a process for displaying selected information in the first and second help files, the process comprises the steps of: 1) providing a first help directory associated with the first set of help files, the first help directory includes a first plurality of topic items corresponding to information provided in the first set of help files; 2) providing a second help directory associated with the second set of help files, the second help directory includes a second plurality of topic items corresponding to information provided in the second set of help files; 3) displaying the first plurality of topic items concurrently with the second plurality of topic items; 4) selecting a selected one of the topic items from either the first plurality of topic items or the second plurality of topic items; 5) accessing an individual help file of either the first set of help files or the second set of help files, the accessed individual help file corresponds to the selected one of the topic items; and 6) displaying information contained in the individual help file.

12 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Table of Contents
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L2 AND state and (compatible or compatibility)	18

Display Format:

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

Refine Search

Search Results -

Terms	Documents
L4 ANd state and (compatible or compatibility)	7

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L5

Search History

DATE: Sunday, October 02, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

DB=PGPB; PLUR=NO; OP=OR

L5 L4 ANd state and (compatible or compatibility)

L4 717/117.ccls. OR 715/705.ccls.

DB=USPT; PLUR=NO; OP=OR

L3 L2 ANd state and (compatible or compatibility)

L2 L1 AND help

L1 717/117.ccls. OR 715/705.ccls.

Hit Count Set Name

result set

7

L5

111

L4

18

L3

108

L2

193

L1

) Inference
search

END OF SEARCH HISTORY

Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20050154985 A1

L5: Entry 1 of 7

File: PGPB

Jul 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050154985

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050154985 A1

TITLE: Displaying help resources

PUBLICATION-DATE: July 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Burkhart, Michael John	Round Rock	TX	US	
Eisenhauer, Daniel G.	Austin	TX	US	
Schumacher, Daniel Mark	Pflugerville	TX	US	
Watson, Thomas J.	Pflugerville	TX	US	

US-CL-CURRENT: [715/705](#); [345/172](#), [345/184](#), [715/840](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Image	Drawings
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☐ 2. Document ID: US 20050119984 A1

L5: Entry 2 of 7

File: PGPB

Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050119984

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050119984 A1

TITLE: Methods and apparatus for business rules authoring and operation employing a customizable vocabulary

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rouvellou, Isabelle M.	New York	NY	US	
Chan, Hoi Y.	Stamford	CT	US	
Degenaro, Louis R.	White Plains	NY	US	
Diament, Judah M.	Bergenfield	NJ	US	

Fokoue-Nkoutche, Achille B.	White Plains	NY	US
Kerr, Charles A. JR.	Somers	NY	US
Linehan, Mark H.	Yorktown Heights	NY	US
Rajpurohit, Arvind	Elmsford	NY	US
Weber, Samuel M.	New York	NY	US

US-CL-CURRENT: 706/47; 717/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 3. Document ID: US 20050091640 A1

L5: Entry 3 of 7

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050091640

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050091640 A1

TITLE: Rules definition language

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
McCollum, Raymond W.	Redmond	WA	US	
Palanca, Radu R.	Seattle	WA	US	
Menzies, Steven J.	Sammamish	WA	US	
Beck, Douglas R.	Seattle	WA	US	
Reyhner, Marc D.	Redmond	WA	US	
Rizzi, Lorenzo	Kirkland	WA	US	

US-CL-CURRENT: 717/117; 717/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D
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☐ 4. Document ID: US 20040169675 A1

L5: Entry 4 of 7

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040169675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040169675 A1

TITLE: Method and apparatus for providing media-independent self-help modules within a multimedia communication-center customer interface

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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Beck, Christopher Clemmett Macleod	Oceanside	CA	US
Berke, Jonathan Michael	San Diego	CA	US
Johnstone, Joel A.	San Diego	CA	US
Mitchell, Robin Marie	Cardiff	CA	US
Powers, James Karl	Carlsbad	CA	US
Sidell, Mark Franklin	Chapel Hill	NC	US
Knuff, Charles Dazler	Carlsbad	CA	US

US-CL-CURRENT: 715/705; 705/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INOC	Grand P-
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☐ 5. Document ID: US 20040162890 A1

L5: Entry 5 of 7

File: PGPB

Aug 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040162890
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040162890 A1

TITLE: Imaging apparatus help system

PUBLICATION-DATE: August 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ohta, Yasutoshi	Tokyo		JP	

US-CL-CURRENT: 709/218; 715/705

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INOC	Grand P-
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☐ 6. Document ID: US 20040061714 A1

L5: Entry 6 of 7

File: PGPB

Apr 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040061714
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040061714 A1

TITLE: Logical element tree and method

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sinclair, Robert	Sammamish	WA	US	
Wagoner, Patricia M.	Redmond	WA	US	
McKeon, Brendan	Seattle	WA	US	

US-CL-CURRENT: 715/705

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMIC	Drawings
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☐ 7. Document ID: US 20030058267 A1

L5: Entry 7 of 7

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030058267

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030058267 A1

TITLE: Multi-level selectable help items

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Warren, Peter	Cannes		FR	

US-CL-CURRENT: 715/705

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMIC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L4 ANd state and (compatible or compatibility)	7

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)